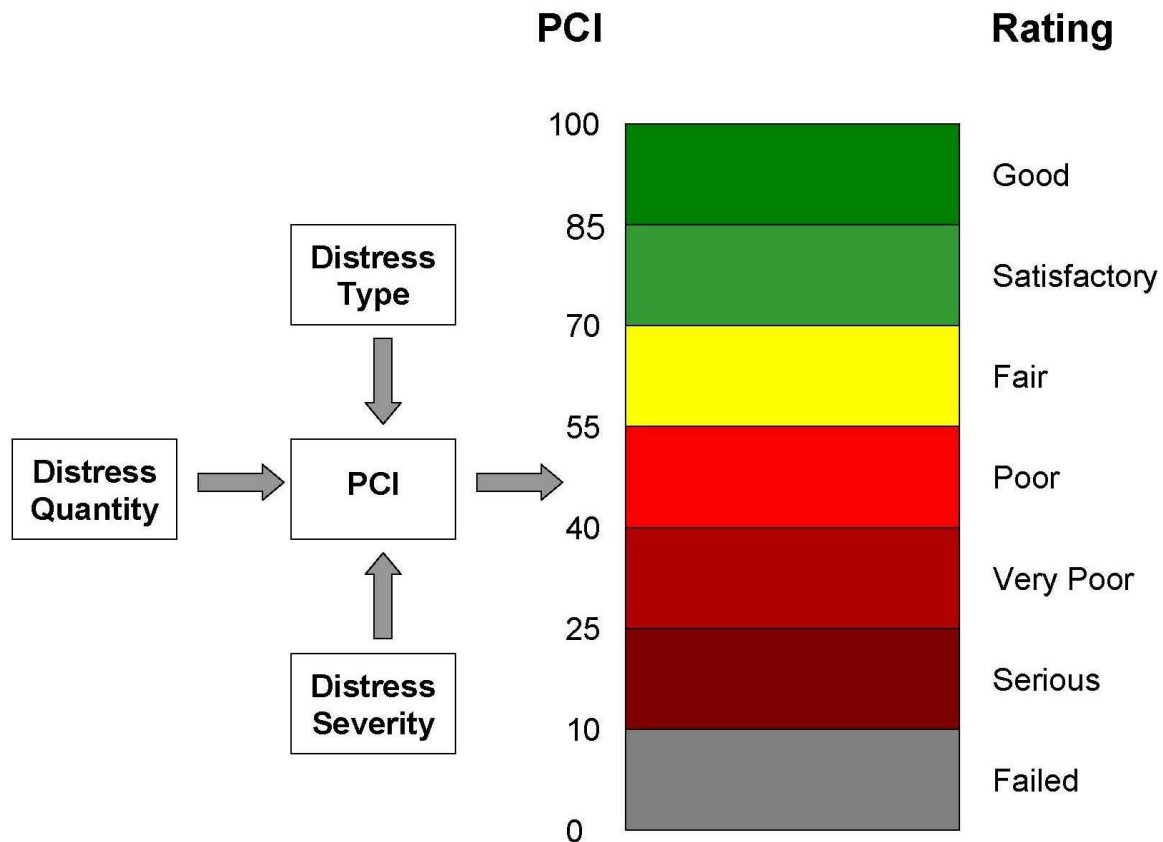


Douglas County Road Funding Task Force

Douglas County Public Works
July 31, 2013

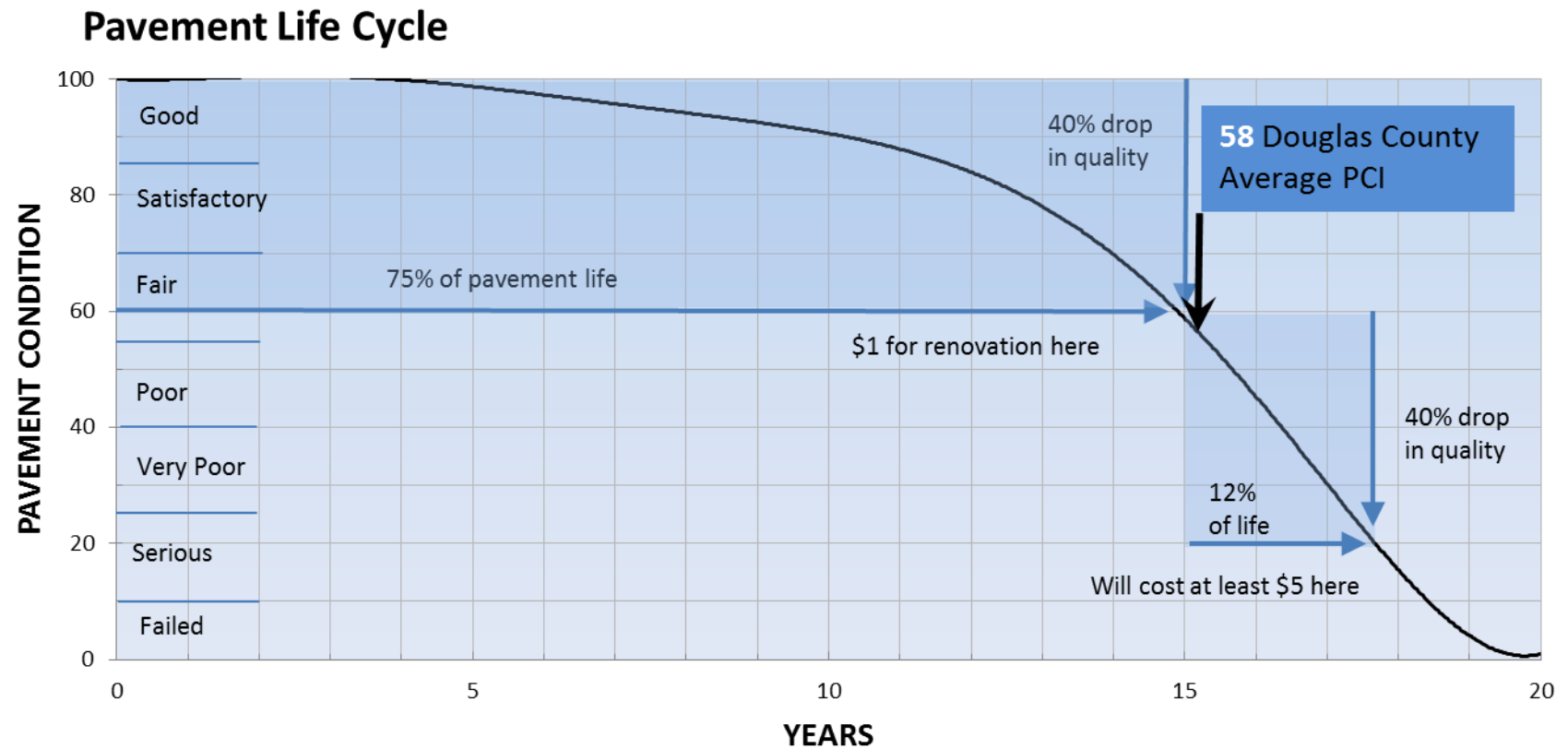
PCI Inspection



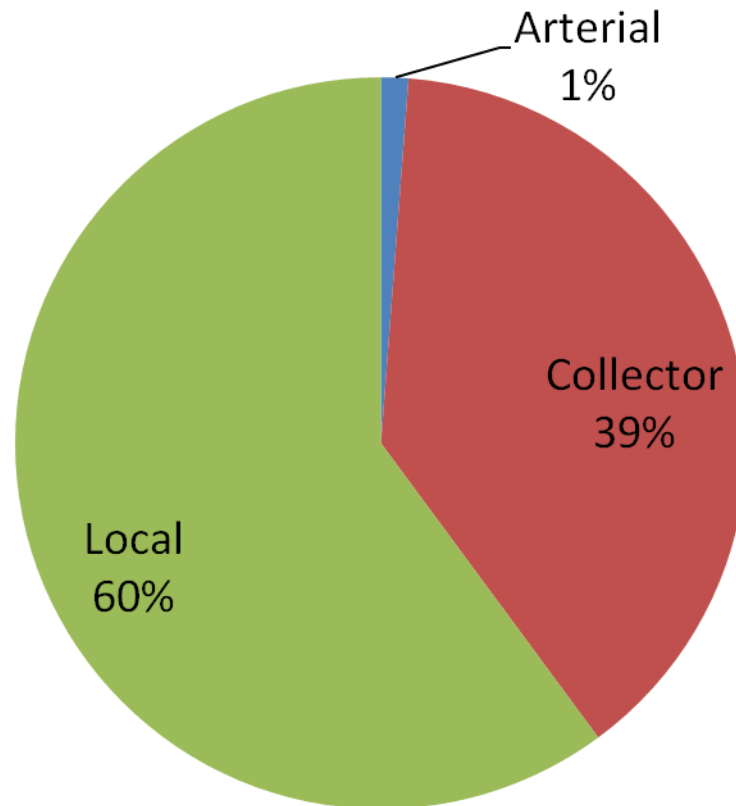
PCI vs. Repair Type

PCI		Repair Type	
81-100		Preventive Maintenance	\$
66-80			
51-65		Major Rehabilitation	
41-50			
0-40		Reconstruction	\$\$\$\$

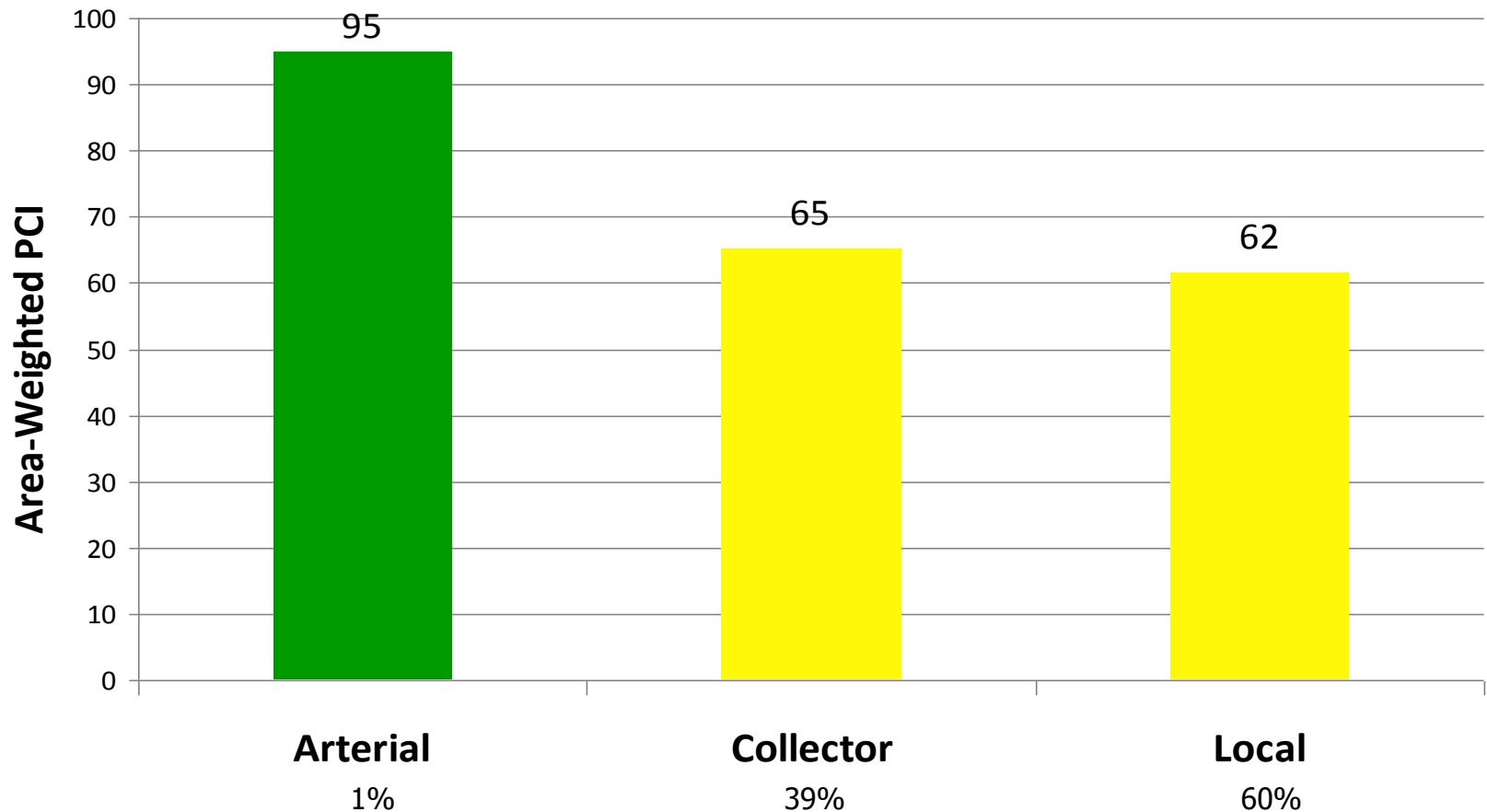
Pavement Life Cycle



Distribution of Pavement Area by Functional Classification



Area Weighted PCI (Last Inspection Date)

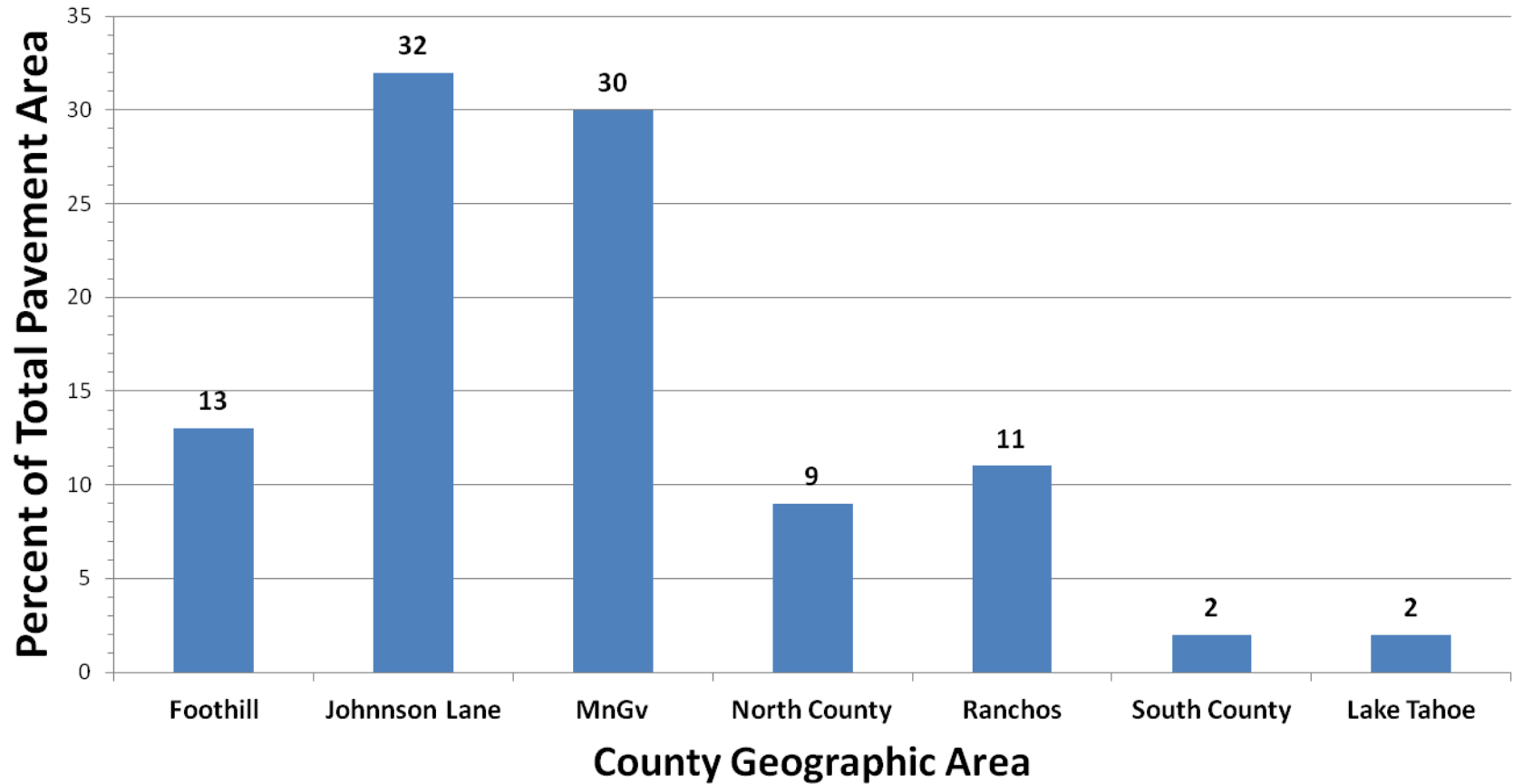


June 2013



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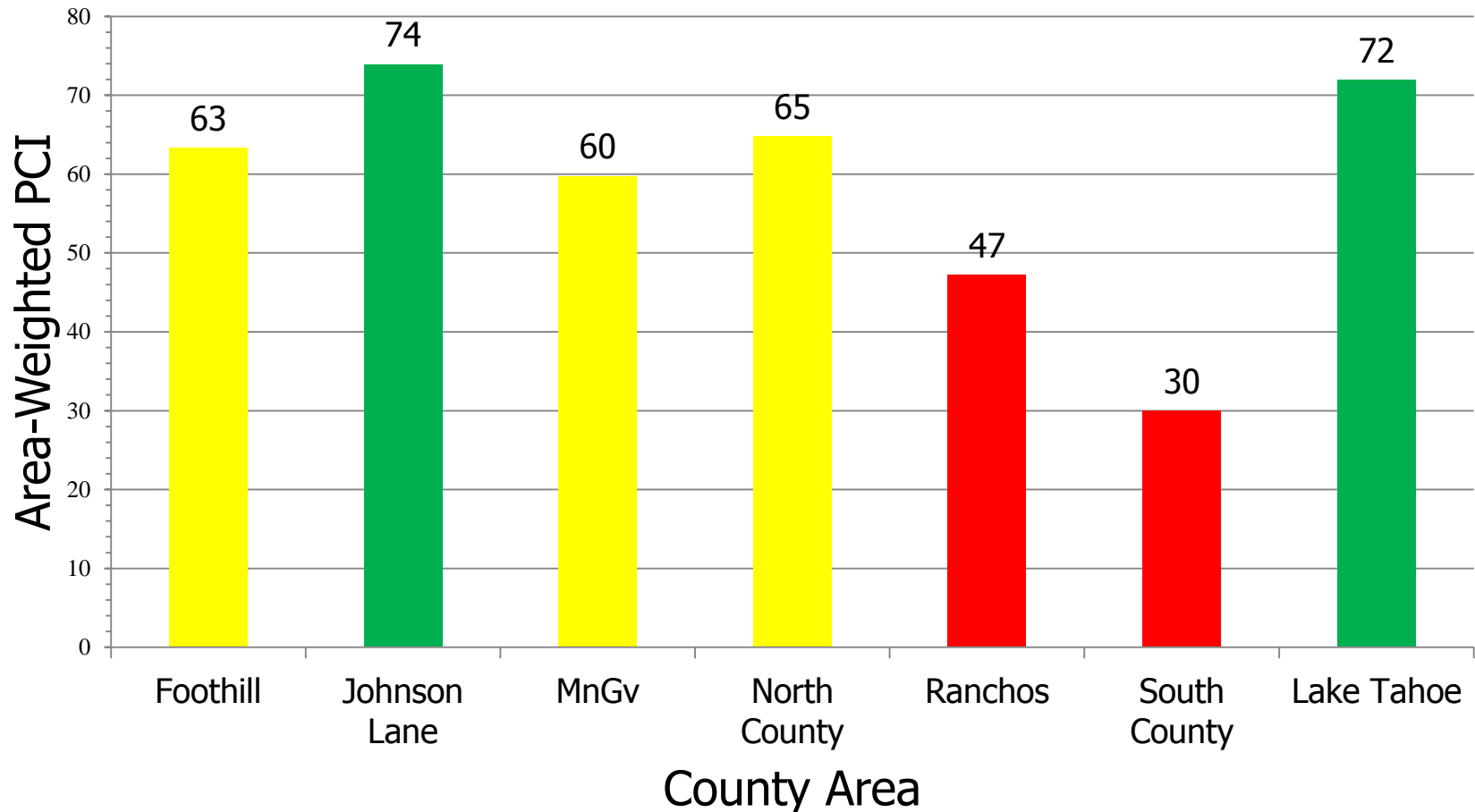
Distribution of Pavement Area



Distribution of Pavement Area

Geographic Area	All Roads	Arterial	Collector	Local
Foothill	13%	-	6%	7%
Johnson Lane	32%	-	8%	24%
Minden/GV	30%	1%	12%	17%
North County	9%	-	5%	4%
Ranchos	11%	-	6%	5%
South County	2%	-	-	2%
Lake Tahoe	2%	-	1%	1%
Totals	100%	1%	39%	60%

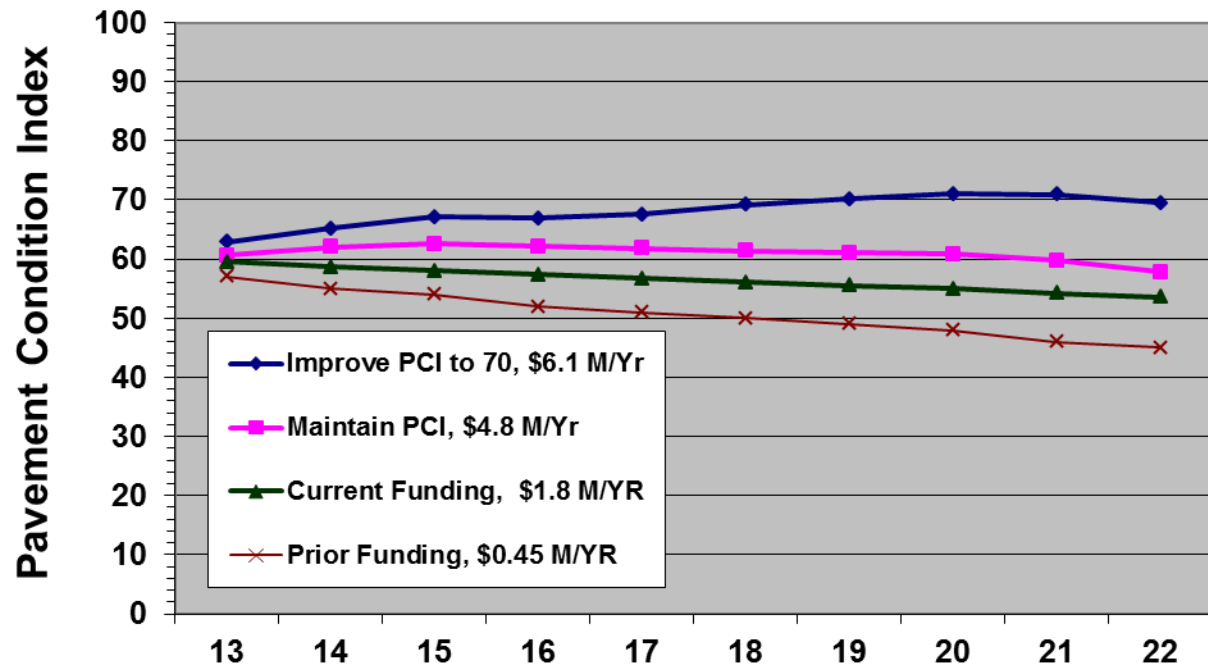
Summary of Pavement Condition (Last PCI Inspection)



Area-Weighted PCI by Geographic Area and Functional Classification (Last PCI Inspection)

Geographic Area	All Roads	Arterial	Collector	Local
Foothill	63	-	52	72
Johnson Lane	74	-	73	74
Minden/GV	60	95	71	49
North County	65	-	71	56
Ranchos	47	-	50	44
South County	30	-	-	30
Lake Tahoe	72	-	80	61

Budget Analysis



	13	14	15	16	17	18	19	20	21	22
	Jul-13	Jul-14	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	Jul-21	Jul-22
Improve PCI to 70, \$6.1 M/Yr	63	65	67	67	68	69	70	71	71	70
Maintain PCI, \$4.8 M/Yr	61	62	63	62	62	61	61	61	60	58
Current Funding, \$1.8 M/YR	60	59	58	57	57	56	56	55	54	54
Prior Funding, \$0.45 M/YR	57	55	54	52	51	50	49	48	46	45

Garnet Court – Demonstration Project



Existing Conditions – PCI 10

Garnet Court – Demonstration Project



Asphalt Zipper

Garnet Court – Demonstration Project



First Pass

Garnet Court – Demonstration Project



Zipped Material

Garnet Court – Demonstration Project



Regraded Material

Garnet Court – Demonstration Project

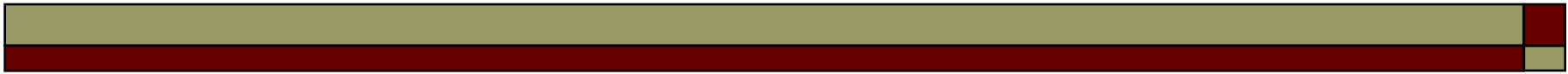


Application of Asphalt Emulsion

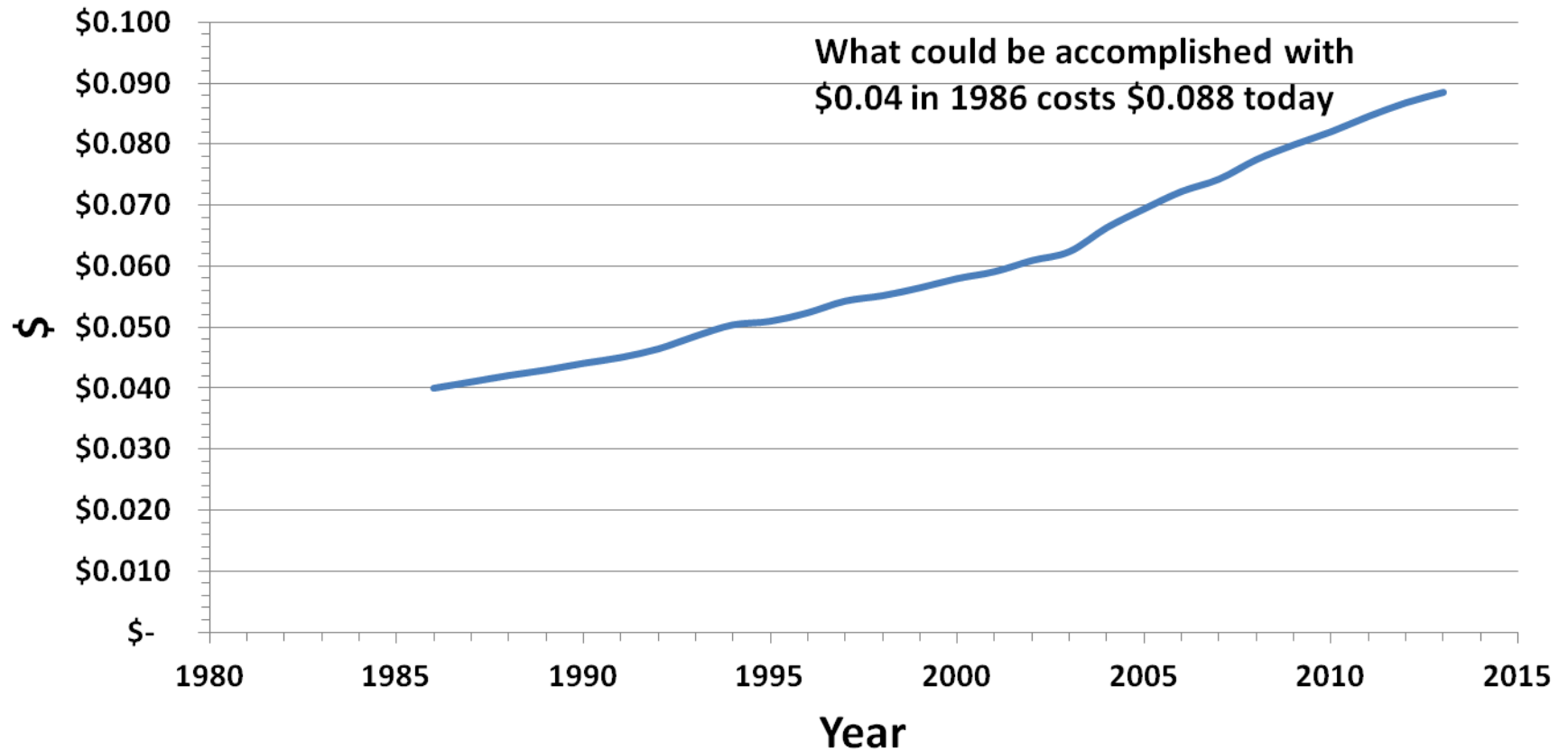
Garnet Court – Demonstration Project



Finished Surface



Impact of Inflation on 1986 Gas Tax Based on ENR Construction Cost Index



Weighted Average Age at Inspection

